

Name _____

Converting Temperatures

When converting Fahrenheit to Celsius, use the following equation:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32)(5/9)$$

When converting Celsius to Fahrenheit, use the following equation:

$$^{\circ}\text{F} = (^{\circ}\text{C})(9/5) + 32$$

When converting Celsius to Kelvin, use the following equation:

$$\text{K} = ^{\circ}\text{C} + 273$$

When converting Kelvin to Celsius, use the following equation:

$$^{\circ}\text{C} = \text{K} - 273$$

Complete the following table by filling in ALL of the missing temperatures.
Use the equations from above to help you. Be sure to show your work!

| # | Fahrenheit | Celsius | Kelvin | SHOW YOUR WORK HERE |
|----|------------|---------|--------|---------------------|
| 1 | 212 | | | |
| 2 | | 0 | | |
| 3 | | | 298 | |
| 4 | 122 | | | |
| 5 | | 75 | | |
| 6 | | | 288 | |
| 7 | 302 | | | |
| 8 | | 110 | | |
| 9 | | | 253 | |
| 10 | 23 | | | |